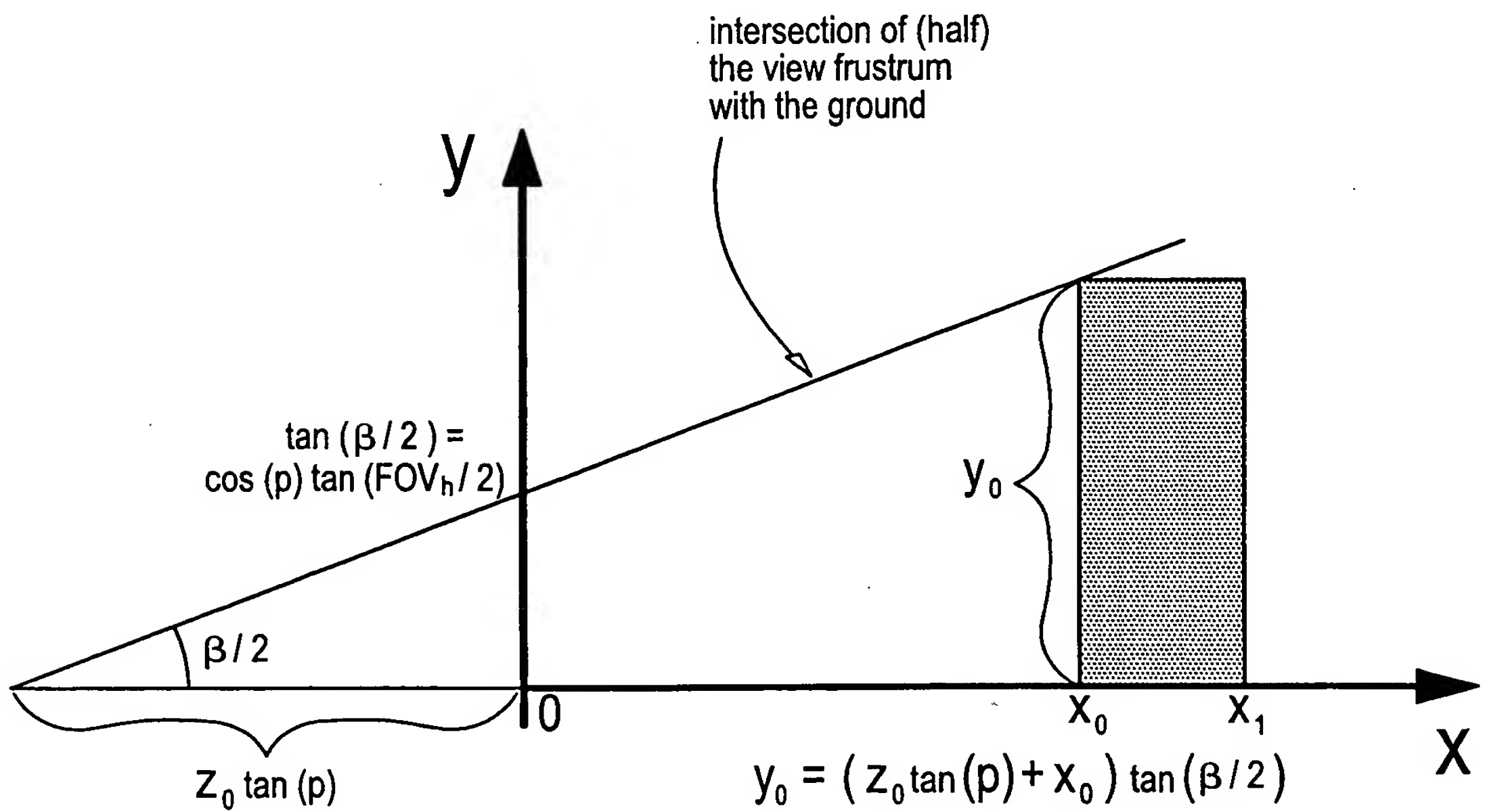
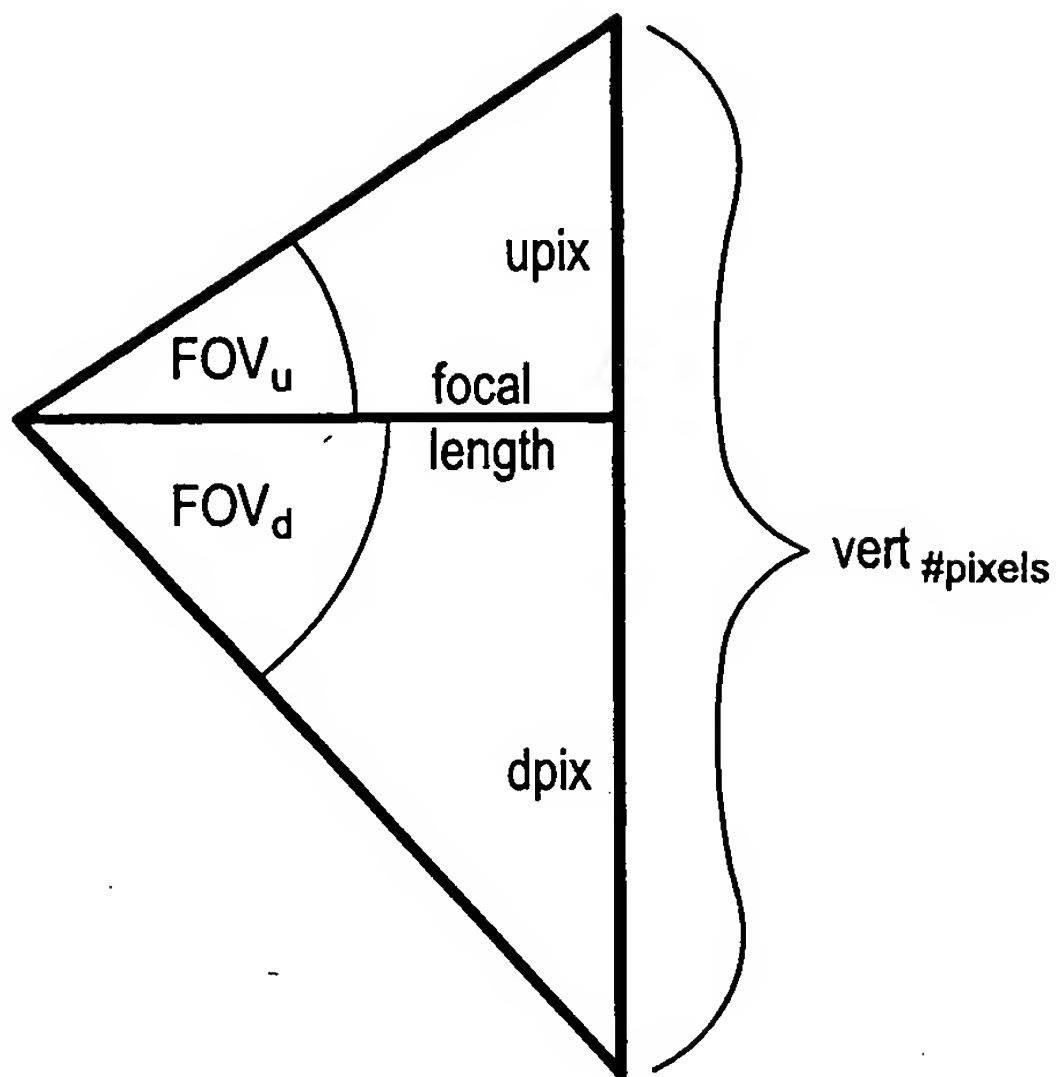
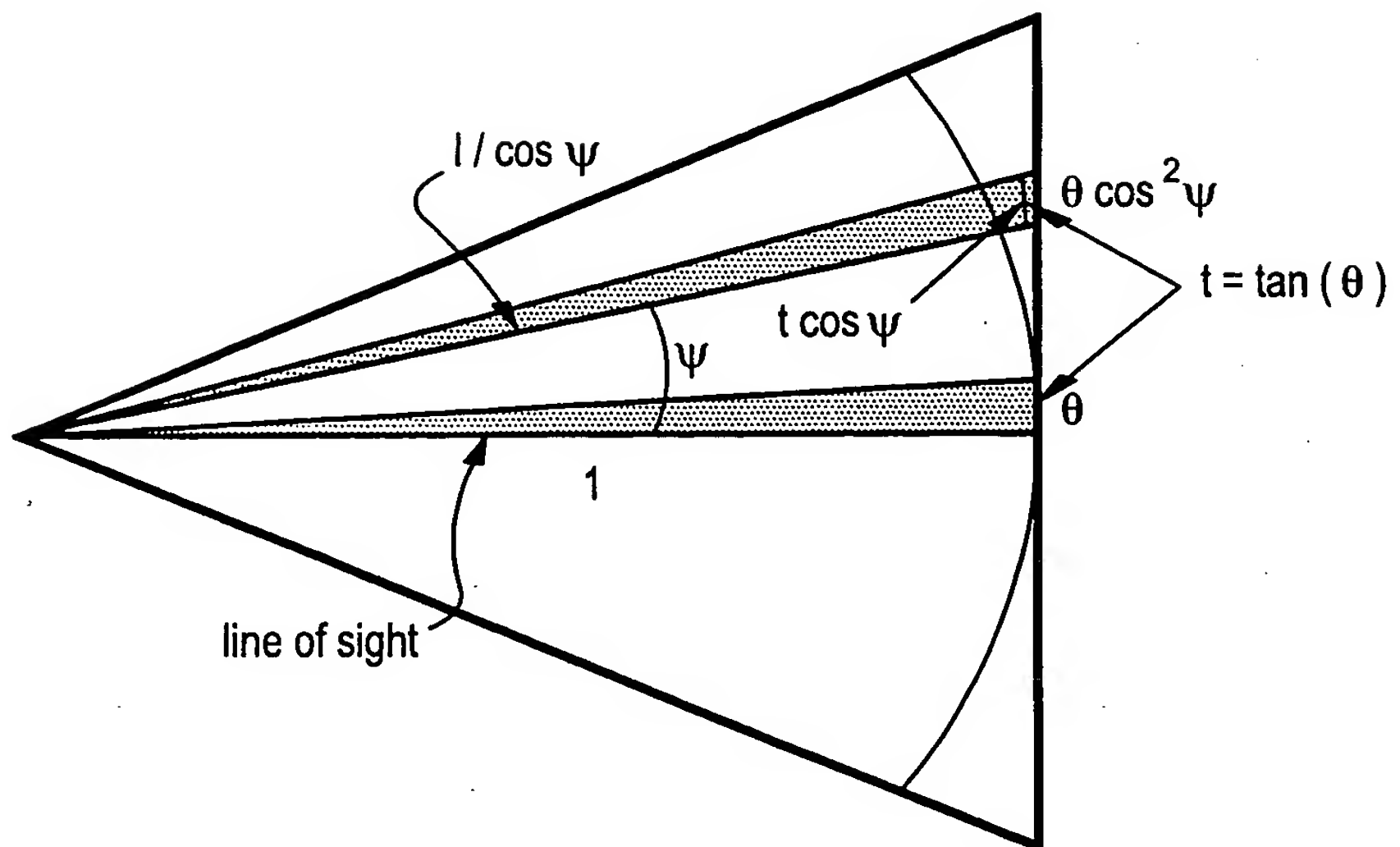
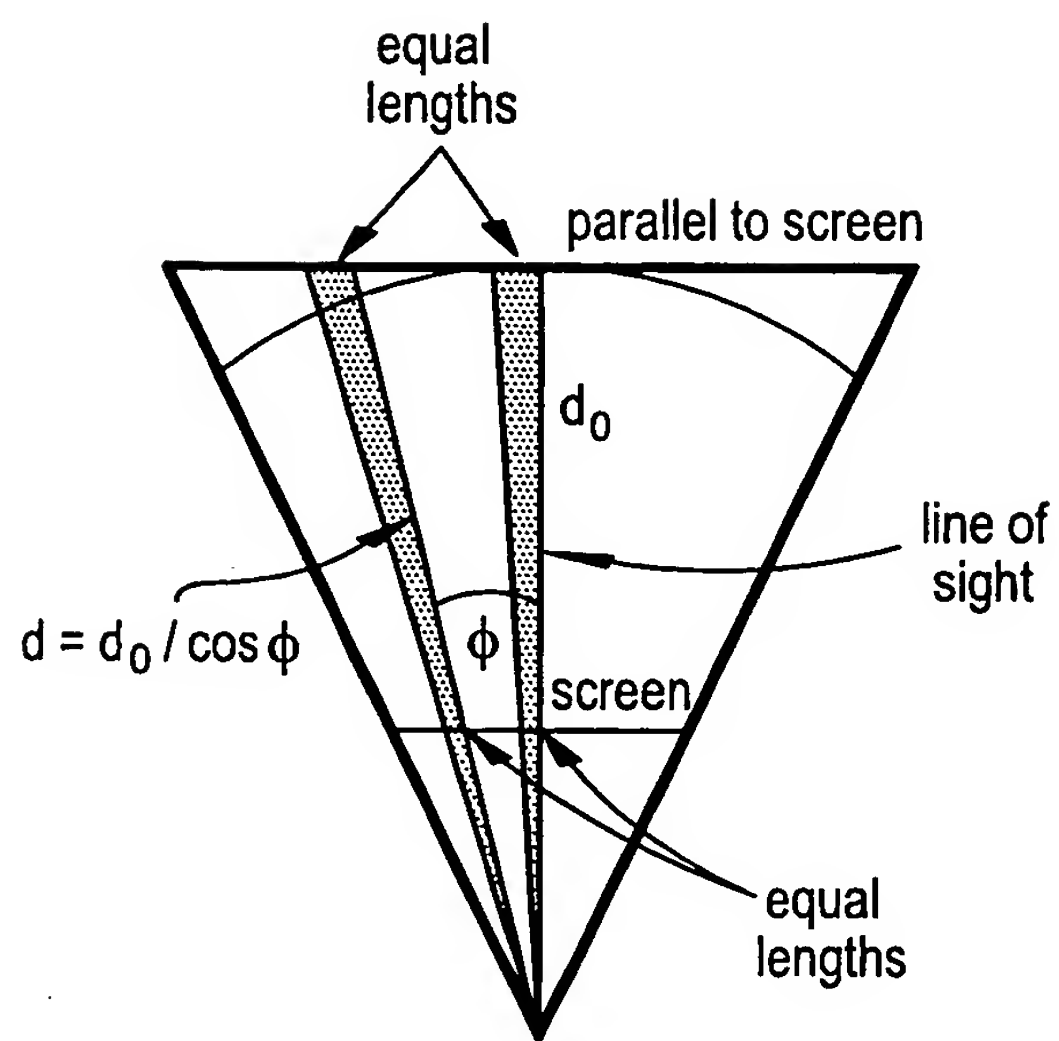
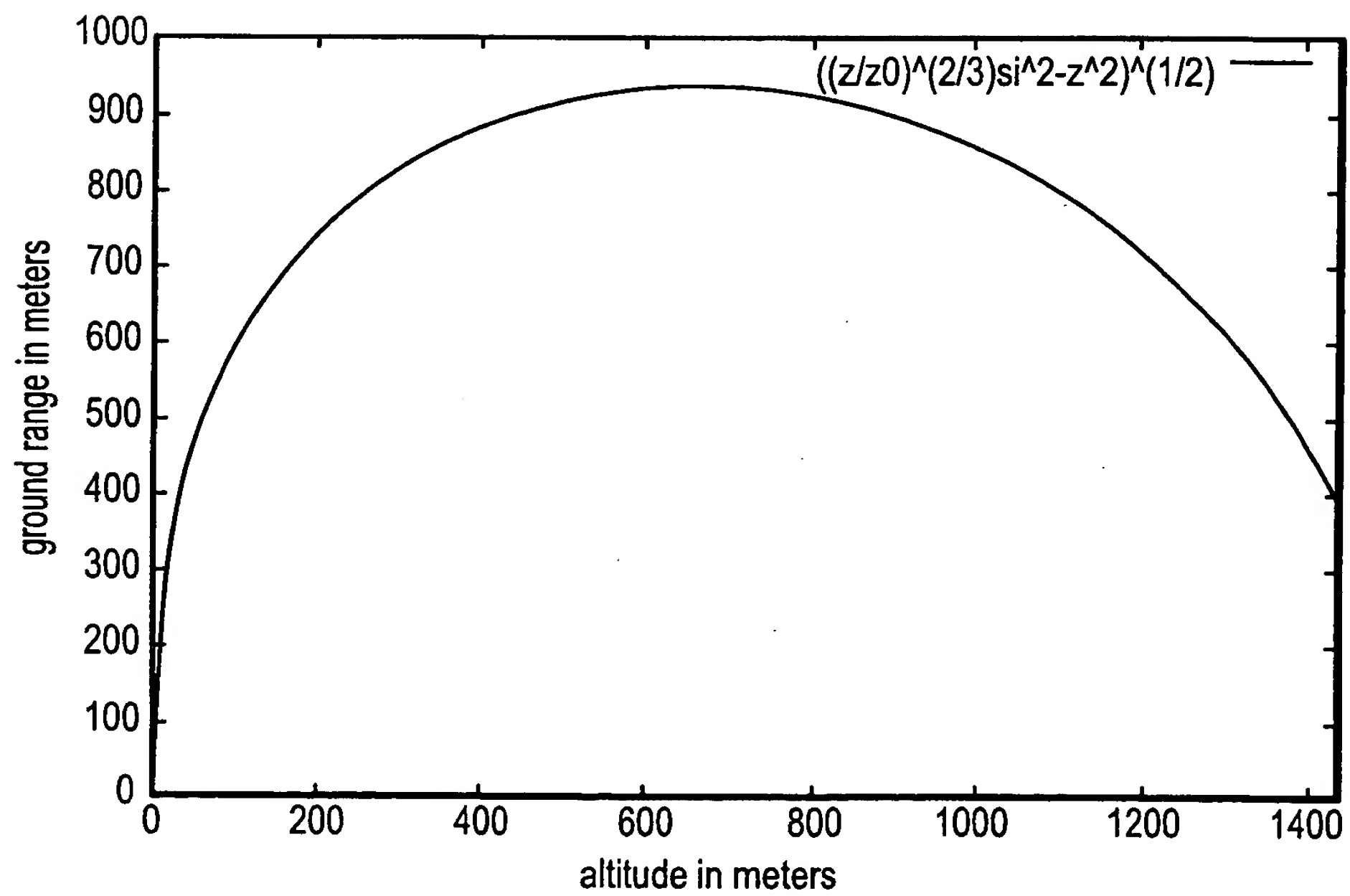
**FIG. 1A****FIG. 1B**

**FIG. 2****FIG. 3**

**FIG. 4****FIG. 5**

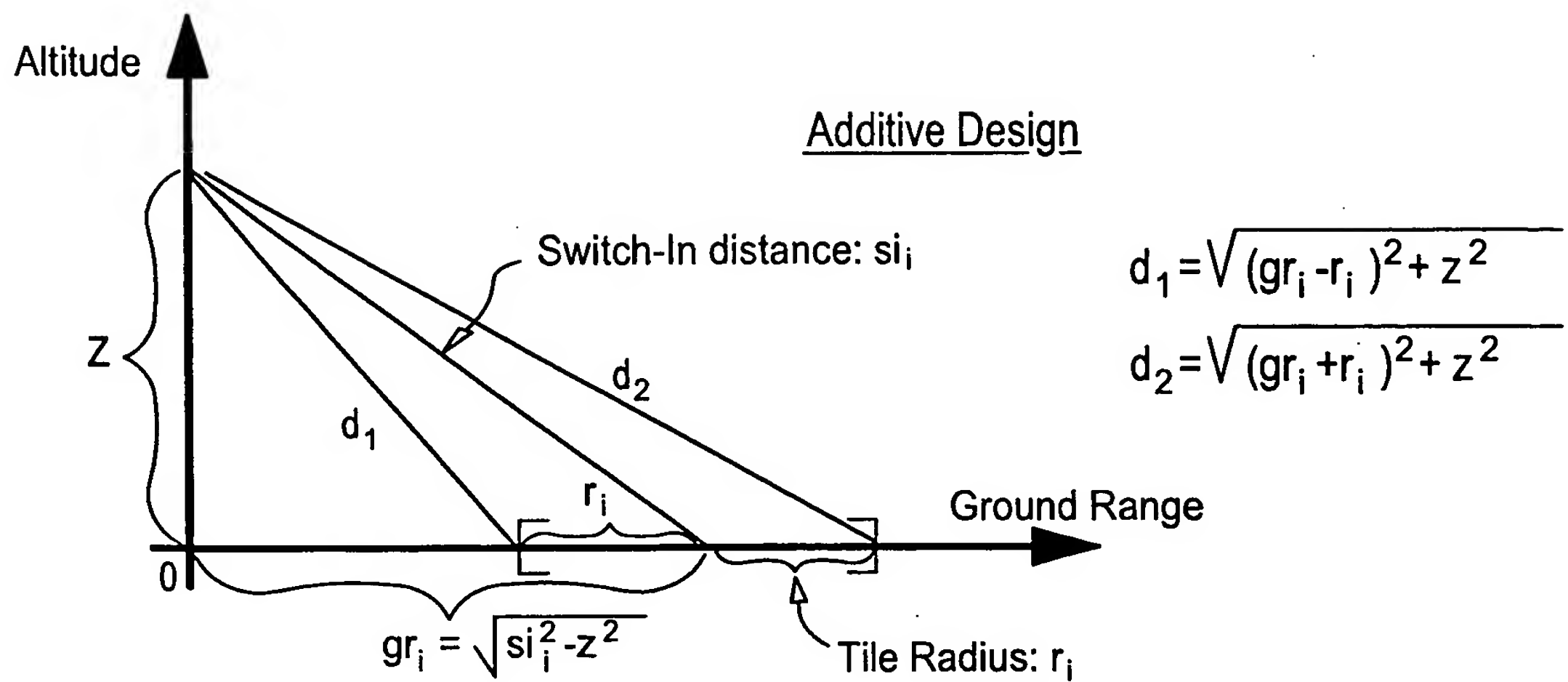
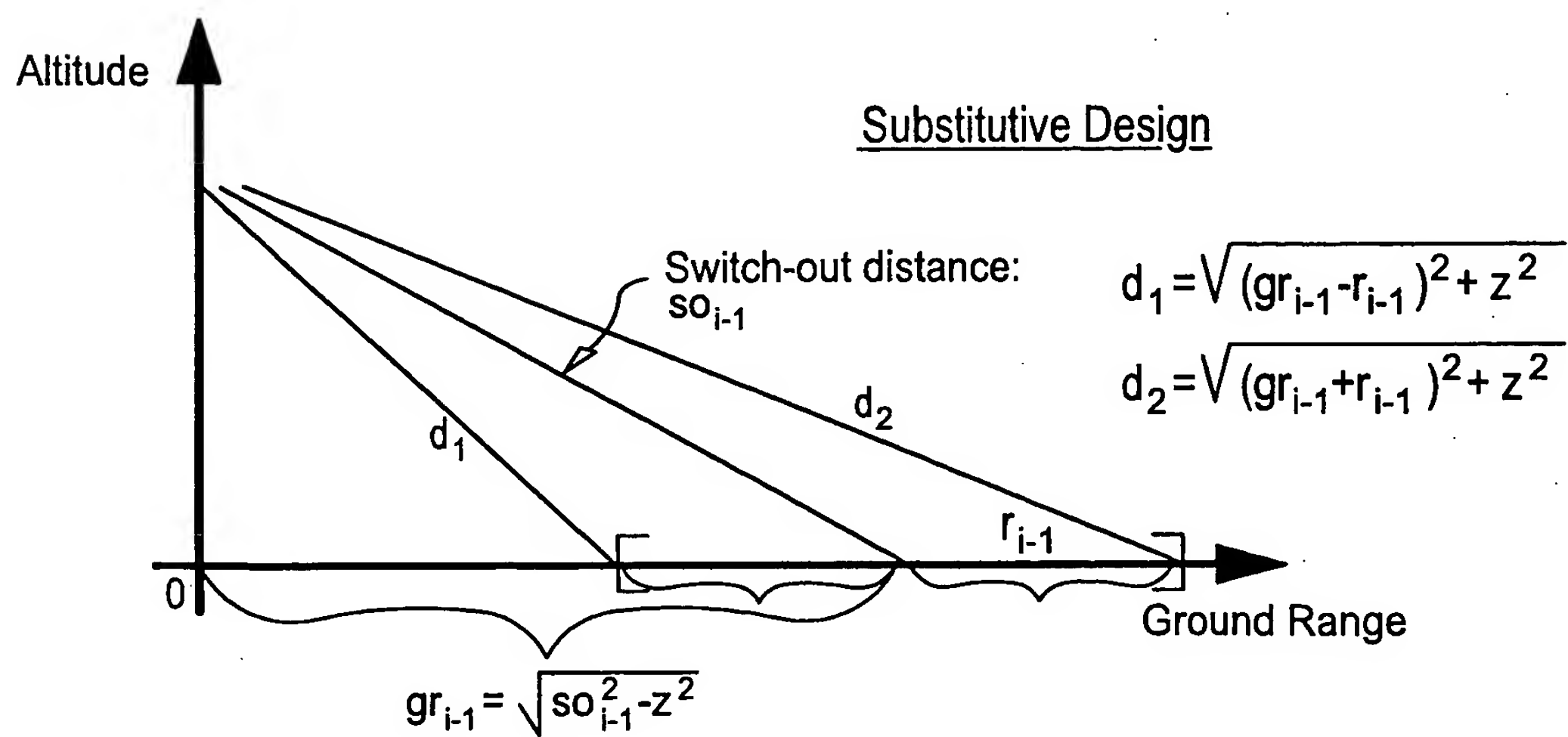
**FIG. 6A****FIG. 6B**

FIG. 7A

FIG. 7B

FIG. 7

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
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13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				

Channel and View Information

depth of view: 166.770 m

total horizontal field of view: 73.3 deg

up field of view: 30.63 deg

down field of view: -33.14 deg

total vertical field of view: 63.77 deg

channel height: 1,200 pixels

channel width: 1,600 pixels

maxAlt: 15,000 m

hfov: 1.28 radians

ufov: 0.53 radians

dfov: -0.58 radians

vfov: 1.11 radians

focal length: 964.5 pixels

Design Parameters

minimum size of objects in a tile: 1.0 pixels

maximum size of objects in a tile: 6 pixels

polygon budget: 3,000

Setup for Quad Tree Simulation

altitude: 2,500 m

vertical line of sight: 31,4889 deg

worst case LOS: 31,4889

eyepoint location override x: m

y: m

LOD Scale: 1.2675

eyepoint location Recommended Used

55,560 55,560

13,890 13,890

scaling formula = 1.2675

Output parameters for FlightIG

design altitude for scaling: 1,227.7

clamp Scale: 0.9036

clamp altitude: 905.8

Tiling Scheme Definition

coverage size x: 11,120 m

y: 11,120 m

num quadtree tiles in coverage x: 2

y: 2

number of quadtree levels: 8 2 to 8

Tiles in Range Band of Highest LOD 2 suggest: 1.5 to 3.5

Polygons per tile Fall-off ratio 1.1 suggest: 1.0 to 1.2

hierarchy type: 1 Additive Hierarchy

smallest tile size x: 434,0625 m

y: 434,0625 m

FIG. 7A

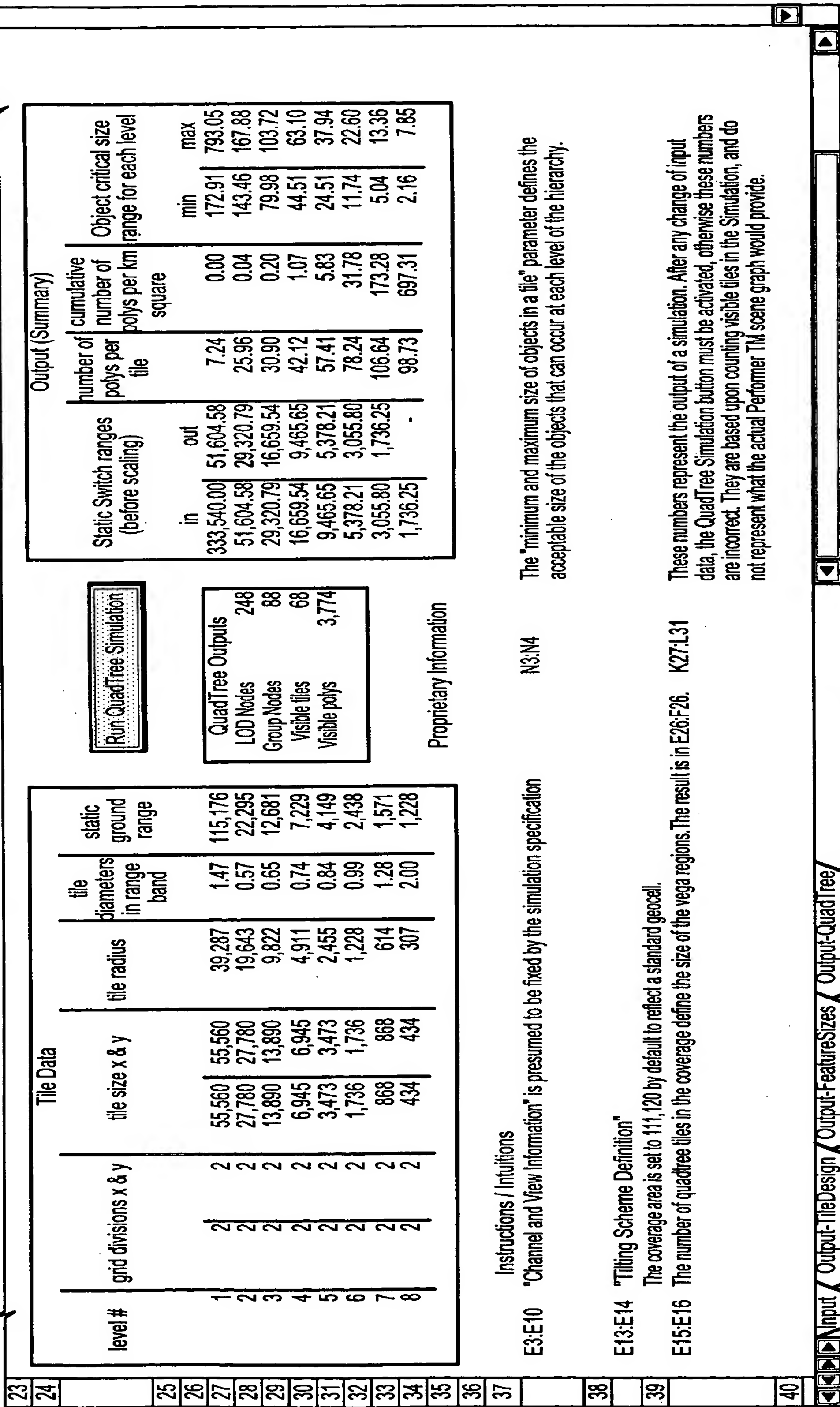


FIG. 7B

	A	B	C	D	F	G	H	I	J
1					QuadTree Simulation Outputs				
1	Proprietary Information				LOD Nodes	444			
1					Group Nodes	288			
10									
11	72,824	1	333,540	61,697	8	12.82		103	20,000
12	45,515	2	61,697	38,561	4	23.78		95	20,000
13	28,447	3	38,561	24,101	2	24.35		49	20,000
14	17,779	4	24,101	15,063	8	24.94		200	20,000
15	11,112	5	15,063	9,414	10	25.54		255	20,000
16	6,945	6	9,414	5,884	16	26.15		418	20,000
17	4,341	7	5,884	3,677	19	26.78		509	10,447
18	-	8	3,677	0	18	92.28		1,661	5,162
19				Total Tiles	85		Total Polys	3,290	
	Input	Output-TileDesign	Output-FeatureSizes	Output-QuadTree					

FIG. 8



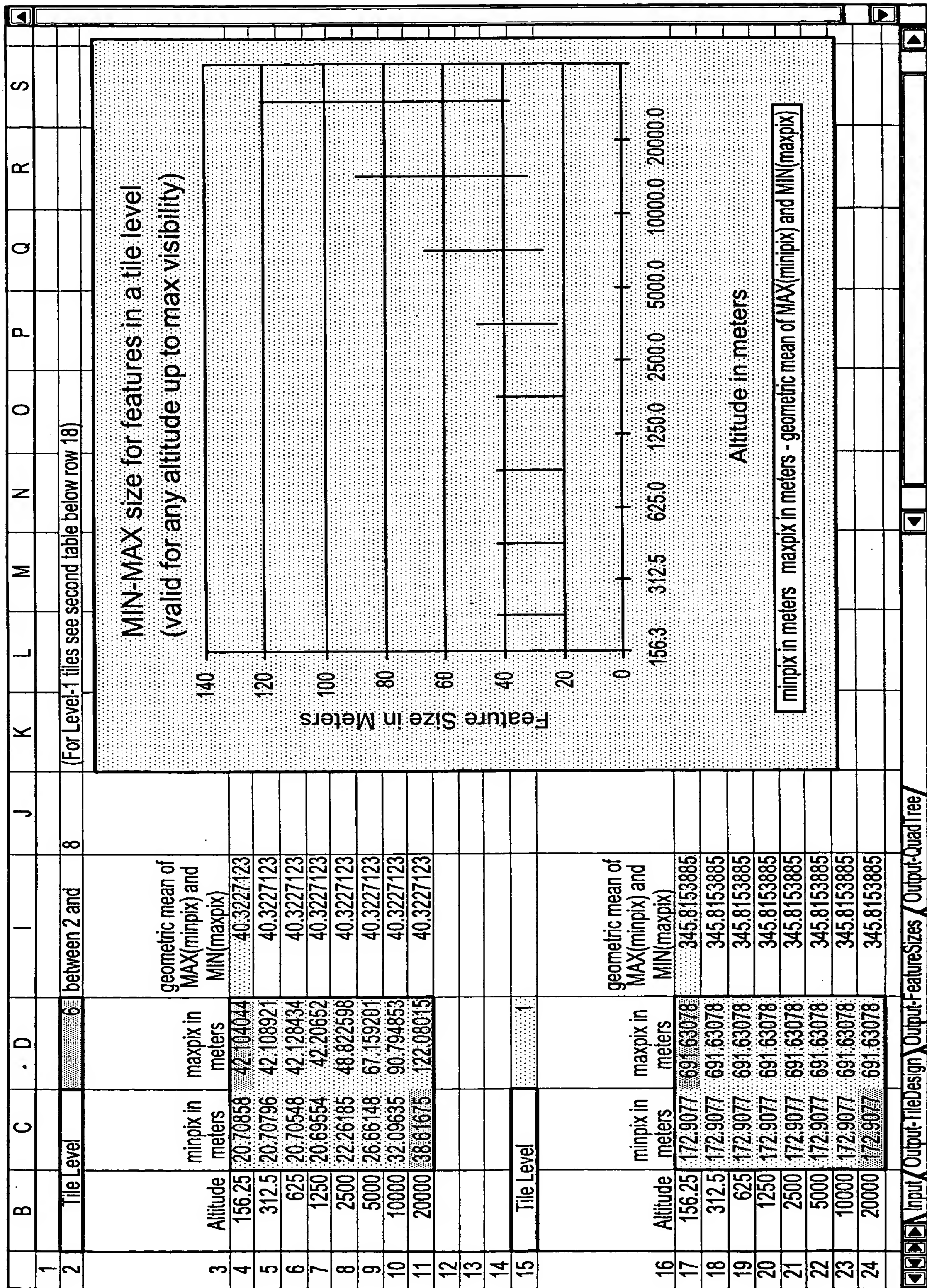
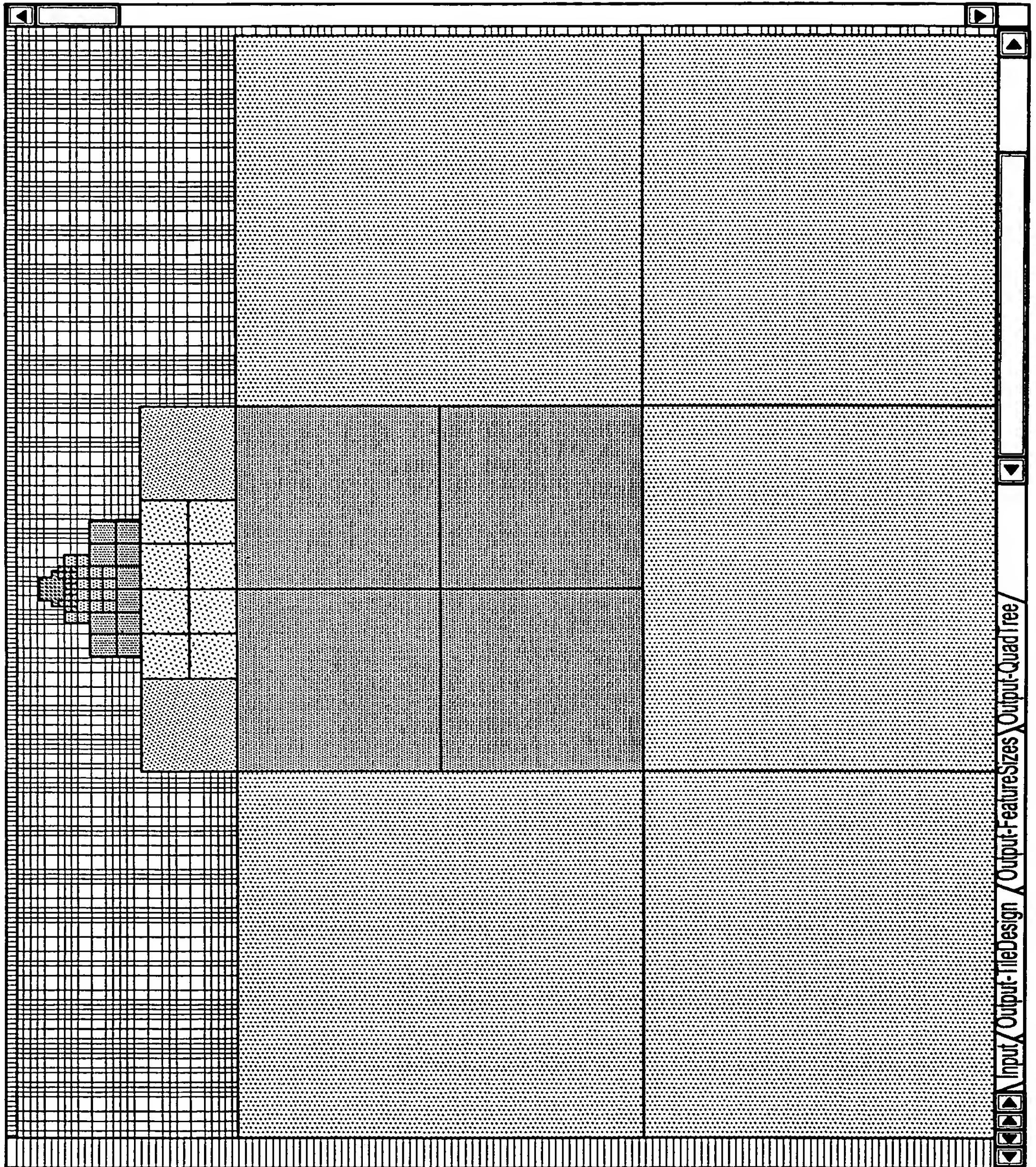
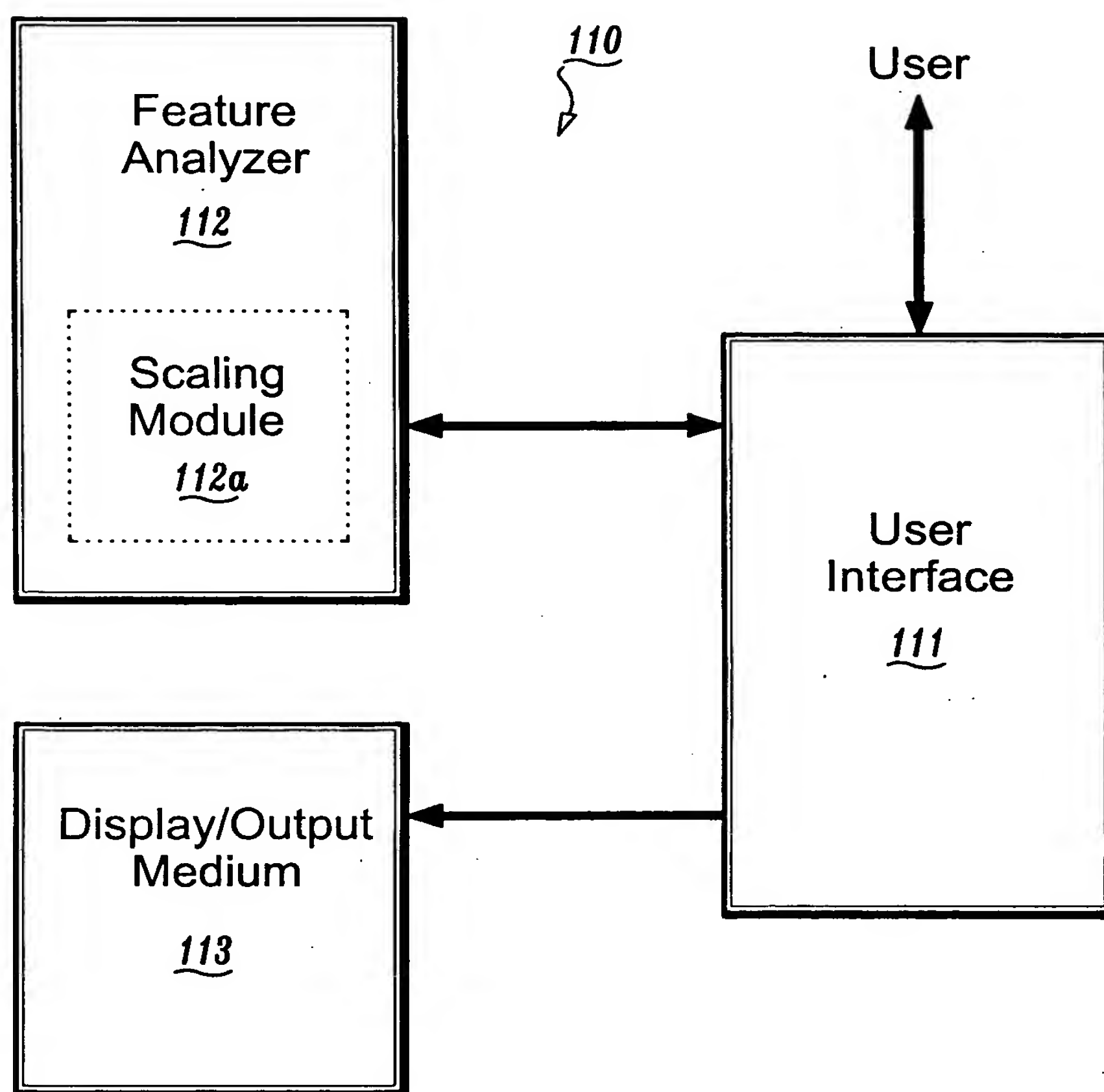


FIG. 9

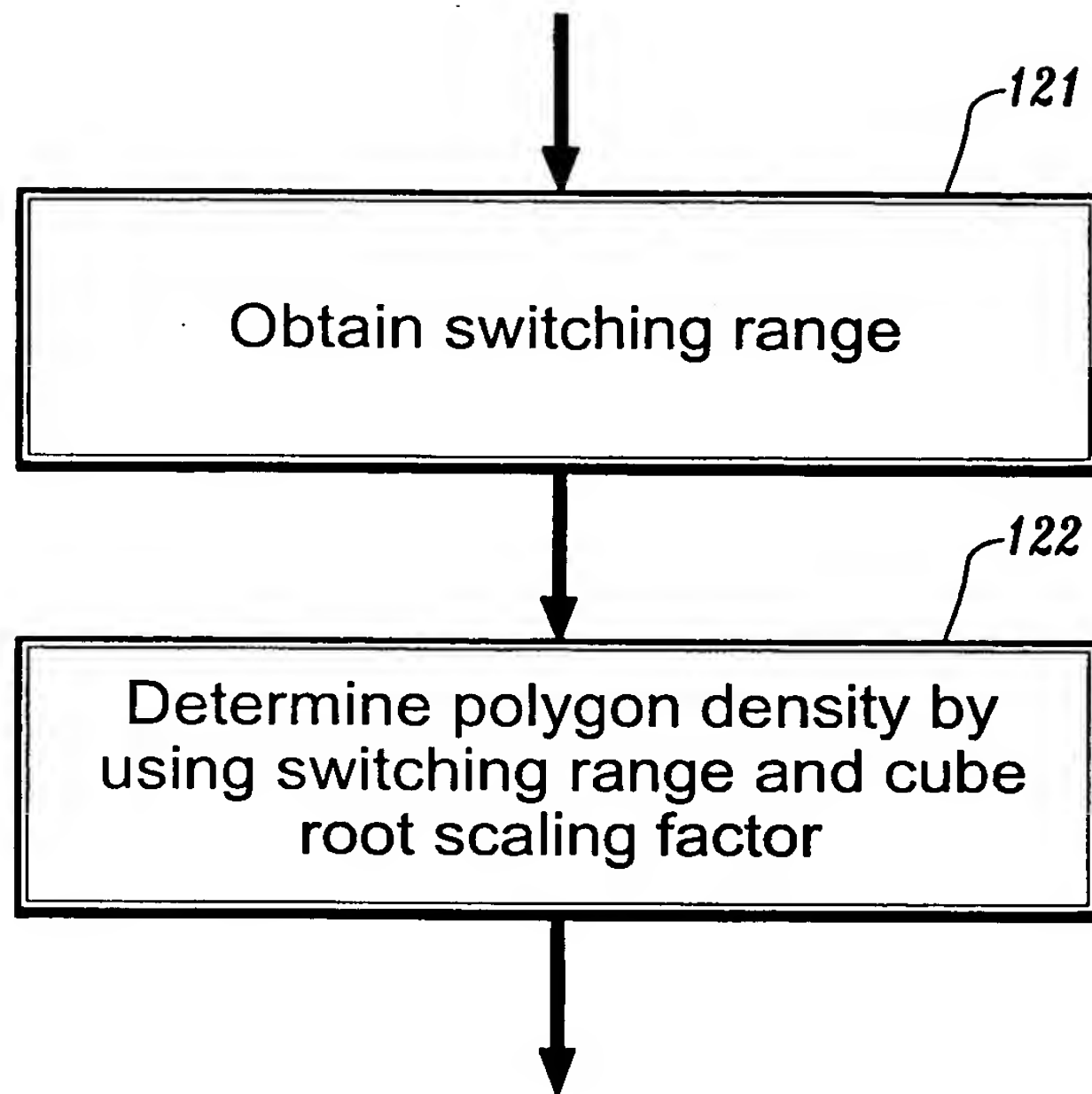




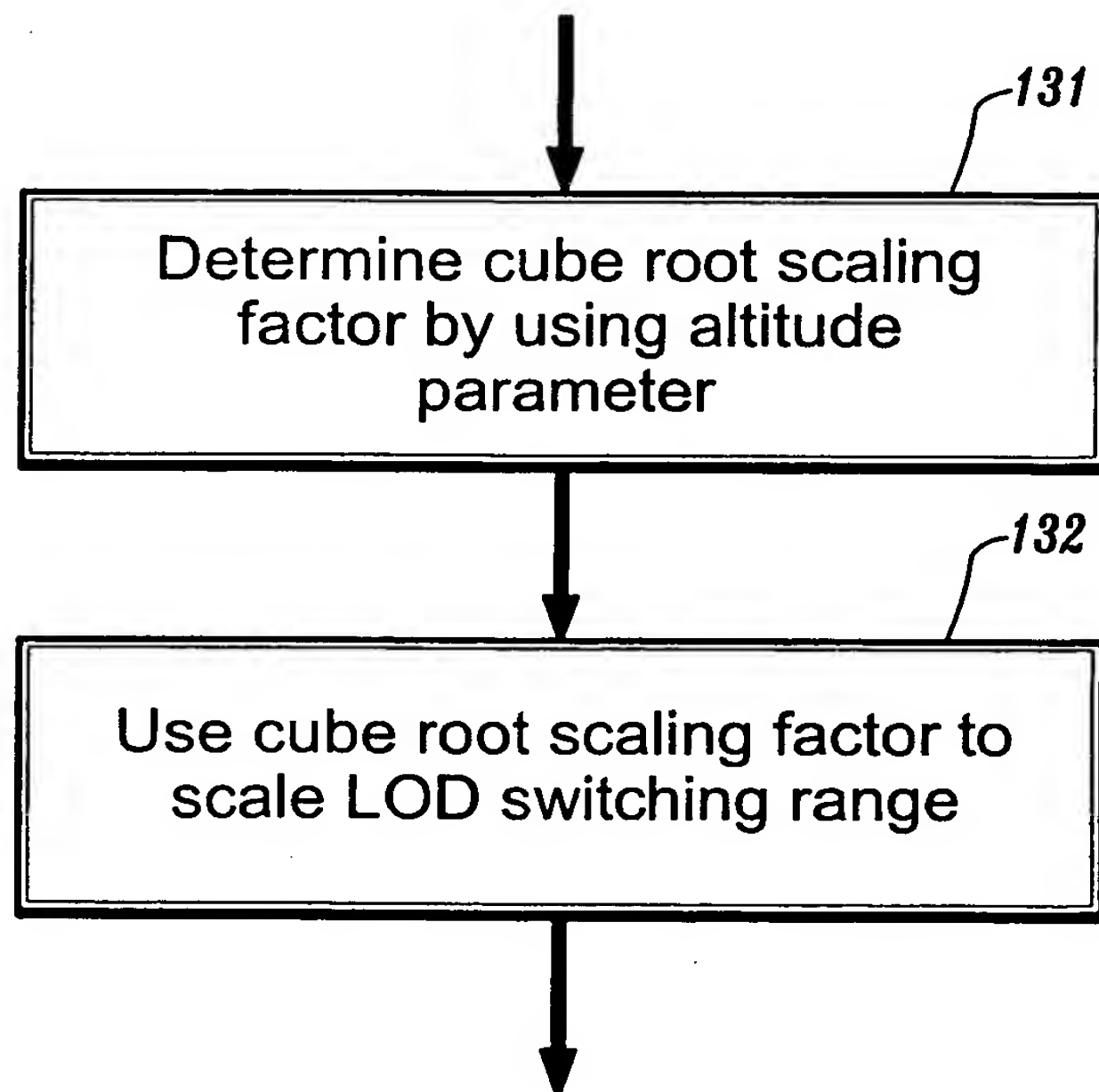
**FIG. 10**

**FIG. 11**

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**FIG. 12**



**FIG. 13**